

## SUPPLEMENTARY MATERIAL

### Appendix 1. Reasons for discontinuation of prior antibiotic therapy.

Prior antibiotic/ Reason for discontinuation	$\leq 6$ mg/kg/day (N = 4892) <i>n</i> (%)	>6 to <8 mg/kg/day (N = 452) <i>n</i> (%)	$\geq 8$ mg/kg/day (N = 645) <i>n</i> (%)
Aminoglycoside (median duration, days)	6	5	6
Toxicity/intolerance	53 (1.1)	6 (1.3)	8 (1.2)
Failure	158 (3.2)	17 (3.8)	24 (3.7)
Antibiotic spectrum narrowed	66 (1.3)	16 (3.5)	9 (1.4)
Resistant or non-susceptible Gram-positive organism	57 (1.2)	8 (1.8)	5 (0.8)
Carbapenem (median duration, days)	9	8	9
Toxicity/intolerance	10 (0.2)	0 (0.0)	0 (0.0)
Failure	196 (4.0)	18 (4.0)	18 (2.8)
Antibiotic spectrum narrowed	74 (1.5)	7 (1.5)	4 (0.6)
Resistant or non-susceptible Gram-positive organism	67 (1.4)	2 (0.4)	5 (0.8)
Cephalosporin (median duration, days)	6	4	6
Toxicity/intolerance	13 (0.3)	2 (0.4)	2 (0.3)
Failure	302 (6.2)	23 (5.1)	41 (6.4)
Antibiotic spectrum narrowed	57 (1.2)	9 (2.0)	8 (1.2)
Resistant or non-susceptible Gram-positive organism	83 (1.7)	3 (0.7)	11 (1.7)
Penicillin (median duration, days)	5	6	6
Toxicity/intolerance	40 40	4 (0.9)	10 (1.6)
Failure	535 535	44 (9.7)	77 (11.9)
Antibiotic spectrum narrowed	124 124	21 (4.6)	12 (1.9)
Resistant or non-susceptible Gram-positive organism	157 157	15 (3.3)	19 (2.9)
Fluoroquinolone (median duration, days)	7	7	7
Toxicity/intolerance	22 (0.4)	2 (0.4)	4 (0.6)
Failure	345 (7.1)	24 (5.3)	50 (7.8)
Antibiotic spectrum narrowed	99 (2.0)	18 (4.0)	6 (0.9)
Resistant or non-susceptible Gram-positive organism	87 (1.8)	6 (1.3)	13 (2.0)

Macrolide/ketolide (median duration, days)	5	6	5
Toxicity/intolerance	0 (0.0)	0 (0.0)	0 (0.0)
Failure	41 (0.8)	4 (0.9)	5 (0.8)
Antibiotic spectrum narrowed	14 (0.3)	3 (0.7)	2 (0.3)
Resistant or non-susceptible Gram-positive organism	4 (0.1)	0 (0.0)	0 (0.0)
Glycopeptides (median duration, days)	7	7	7
Toxicity/intolerance	186 (3.8)	13 (2.9)	31 (4.8)
Failure	449 (9.2)	44 (9.7)	73 (11.3)
Antibiotic spectrum narrowed	83 (1.7)	16 (3.5)	13 (2.0)
Resistant or non-susceptible Gram-positive organism	81 (1.7)	7 (1.5)	13 (2.0)
Oxazolidinone (median duration, days)	8	8	8
Toxicity/intolerance	54 (1.1)	7 (1.5)	5 (0.8)
Failure	146 (3.0)	7 (1.5)	13 (2.0)
Antibiotic spectrum narrowed	29 (0.6)	2 (0.4)	6 (0.9)
Resistant or non-susceptible Gram-positive organism	16 (0.3)	1 (0.2)	3 (0.5)
Miscellaneous (median duration, days)	7	7	7
Toxicity/intolerance	45 (0.9)	6 (1.3)	6 (0.9)
Failure	321 (6.6)	23 (5.1)	48 (7.4)
Antibiotic spectrum narrowed	67 (1.4)	14 (3.1)	9 (1.4)
Resistant or non-susceptible Gram-positive organism	85 (1.7)	4 (0.9)	6 (0.9)